

AMENDMENTS TO THE SPECIFICATION

With respect to the Specification, please replace paragraph [0026] with the following paragraph:

[0026] FIG. 2 is a schematic block diagram of another embodiment of the device according to invention including a Coriolis sensor[.]; and

FIG. 3 is a block diagram of oxygen and a combustible gas mixing in accordance with an illustrative embodiment.

Please also replace paragraph [0068] with the following paragraph:

[0068] In the method the flowing substance is identified by retrieving from a database the identity of the calibration substance with the best corresponding temperature difference measurement. Once the flowing substance is identified the known properties of that substance can be returned to the user. In an important application of the method the flowing substance is a natural gas and the natural gas is characterised by measuring the temperature difference and retrieving from a database or function, relating temperature difference measurements of different natural gasses with one or more characterising features of said natural gasses, the characterising feature relating to the measured temperature difference measurement. For example, in the method the database or function comprises the heat of combustion of calibration gasses and the temperature difference measurement is used to determine the heat of combustion of the gas. This principle can be used in a method for the combustion of a combustion gas wherein the combustion gas is characterised according to the method of the invention and mixed with an oxygen containing gas in a mixing ratio based on the measured temperature difference as shown in FIGURE 3.